



Multifak® Moly EP 2

Multipurpose Moly EP Grease

Product Data Sheet

Customer benefits

Protects metal surfaces

The combination of EP additives and molybdenum disulfide solid film lubricant helps protect against component wear under high load conditions and/or shock loading. Rust and corrosion inhibitors help protect metal surfaces in wet operating conditions. Even if by mistake insufficient grease is used, some molybdenum disulfide tends to stay in place and helps to protect metal surfaces.

Enhances service life

Excellent oxidation resistance helps to enhance grease service life.

Ease of application

Optimized flow properties provide suitable flow properties for auto grease pump application systems.

Reduces complexity

Multipurpose capability allows use in a wide range of heavy-duty automotive and industrial applications, helping to reduce the number of different greases required and thus eliminate product misapplication.

Applications

- Automotive
- Construction
- Earthmoving, quarrying and mining
- Agricultural equipment
- Chassis grease point lubrication
- Pins, bushings and other sliding surface or pivot points
- Selective types of anti-friction bearings
- Ball joints
- Universal joints (U-joints)
- High and shock load applications

Product features:

- **Multifak Moly EP 2** is a dark grey, multipurpose EP grease primarily designed for construction, mining and agricultural equipment where an extra measure of protection in shock loading conditions is required.
- **Multifak Moly EP 2** contains a highly refined ISO VG 220 mineral base oil, lithium soap thickener, EP additives, rust and oxidation inhibitors, plus molybdenum disulfide as a solid film lubricant.

Typical key properties

MULTIFAK MOLY EP 2		
NLGI Grade	ASTM	2
Product Code		510843
Soap type		Lithium
Color		Dark grey
Molybdenum Disulfide, m%		3
Thickener content, %		7.5
Dropping Point, °C	D566	195
Base Oil Viscosity, mm ² /s @ 40°C	D445	200
mm ² /s @ 100°C	D445	17.6
Corrosion Test	D1743	Pass
Copper Corrosion, 24 hrs @ 100°C	D4048	1b
Four Ball Weld Point, kgf	D2596	250
Timken OK Load, kg	D2509	18

Minor variations in product typical test data are to be expected in normal manufacturing.

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Performance standards

	DIN 51 502	ISO 6743-09	Operating temperature
Multifak Moly EP 2	KPF 2K-30	ISO-L-XCCEB2	-30°C up to 120°C with short periods up to 140°C for a short period

Volvo Corporate Standard STD 1277,65 lubricating grease 97765



Service considerations

The inclusion of molybdenum disulfide provides an extra measure of protection under shock loading which is very common in construction, off-highway transport and agricultural usage. During heavy shock loading, the lubricant film between metal surfaces can be temporarily ruptured or squeezed out. Multifak Moly EP is designed so that some molybdenum disulfide stays in place as a solid film lubricant to help protect metal surfaces, even under extreme shock loading conditions, helping to prevent metal-to-metal contact which could cause component damage. The presence of molybdenum disulfide is also valuable in dirty environments, or when proper re-greasing intervals cannot be followed.

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit www.caltex.com.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:
Chevron Global Lubricants
– Asia Pacific